

Notice of Allowability

Application No.

09/839,429

Applicant(s)

ABROL ET AL.

Examiner

John Pezzlo

Art Unit

2662

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 15 November 2005.
2. ☒ The allowed claim(s) is/are 1-32.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


JOHN PEZZLO
PRIMARY EXAMINER

DETAILED ACTION

Allowable Subject Matter

Claims 1-32 are allowable over the prior art of record.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: Applicants have claimed uniquely distinct features in the instant invention, which are not found in the prior art, either singularly or in combination. Each independent claim identifies the following uniquely distinct features;

1. Regarding claim 1 – A method for maintaining an Internet Protocol (P) session for an access terminal at a first radio network, the method comprising: establishing the IP session for the access terminal with a network element via the first radio network, receiving a request to maintain the IP session if the access terminal is not tuned to the first radio network, receiving a forwarding address for the access terminal via the first radio network receiving an indication that the access terminal is not tuned to the first radio network, receiving a first packet for the access terminal via the first radio network, sending a second packet in response to reception of the first packet, wherein the second packet is addressed to the access terminal using the forwarding address, establishing a connection with the access terminal via the first radio network, and sending the first packet to the access terminal via the first radio network.

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2. Regarding claim 13 – A method for maintaining an Internet Protocol (IP) session for an access terminal at a first radio network, the method comprising: establishing the IP session for the access terminal with a network element via the first radio network, wherein the access terminal is assigned a first address for the IP session, receiving a request to maintain the IP session if the access terminal is not tuned to the first radio network via the first radio network, receiving a forwarding address for the access terminal via the first radio network, receiving an indication that the access terminal is not tuned to the first radio network, receiving a first packet from the network element and addressed to the access terminal using the first address, sending a second packet to the network element in response to reception of the first packet, wherein the second packet is addressed to the access terminal using the forwarding address and indicates that the first radio network has data for the access terminal, establishing a connection with the access terminal via the first radio network, and sending the first packet to the access terminal via the first radio network.

3. Regarding claim 14 – A method for maintaining an Internet Protocol (IP) session for an access terminal at a first radio network, the method comprising: establishing the IP session with a network element via the first radio network, establishing a second session with a second radio network, sending to the first radio network a request to maintain the IP session if not tuned to the first radio network, sending a forwarding address to the first radio network, receiving a communication from the second radio network, establishing a connection with the first radio network in response to the received communication, and receiving a packet from the first radio network.

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4. Regarding claim 29 – A method for maintaining an Internet Protocol (IP) session for an access terminal at a first radio network, the method comprising: establishing the IP session with a network element via the first radio network, receiving an assignment of a first address for the IP session, establishing a second session with a second radio network, receiving an assignment of a second address for the second session, maintaining a protocol stack for the IP and second sessions, wherein the protocol stack includes the first and second addresses to be used for the IP and second sessions established via the first and second radio networks, respectively, sending to the first radio network a request to maintain the IP session if not tuned to the first radio network, sending the second address as a forwarding address to the first radio network, receiving a page from the second radio network, establishing a connection with the first radio network in response to the received page, and receiving a packet from the first radio network.

5. Regarding claim 30 – An access terminal comprising: a transmit unit operative to receive and code data and messages, modulate the coded data, and convert the modulated data into a first modulated signal suitable for transmission over a transmission medium, a receiver unit operative to receive a second modulated signal, demodulate the received signal to provide demodulated data, and decode the demodulated data to recover transmitted data and messages, and a controller coupled to the transmitter and receiver units and operative to direct establishment of an IP session with a network element via a first radio network establishment of a second session with a second radio network, transmission to the first radio network a request to maintain the IP session while not tuned to the first radio network, transmission of a forwarding address to the first radio network, reception of a communication from the second radio network, establishment of a

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connection with the first radio network in response to the received communication from the second radio network, and reception of a packet from the first radio network.

6. Regarding claim 32 - An access point in a first radio network comprising: a transmitter unit operative to receive and code data and messages, modulate the coded data, and convert the modulated data into a first modulated signal suitable for transmission over a transmission medium, a receiver unit operative to receive a second modulated signal, demodulate the received signal to generate demodulated data, and decode the demodulated data to recover transmitted data and messages, a processor coupled to the transmitter and receiver units and configured to direct establishment of an IP session for an access terminal with a network element, reception of a request to maintain the IP session if the access terminal is not tuned to the first radio network, reception of a forwarding address for the access terminal via the first radio network, reception of an indication that the access terminal is not tuned to the first radio network, reception of a first packet for the access terminal via the first radio network, transmission of a second packet in response to reception of the first packet wherein the second packet is addressed to the access terminal using the forwarding address and indicates that the first radio network has data for the access terminal, establishment of a connection with the access terminal via the first radio network, and transmission of the first packet to the access terminal via the first radio network.

The closest prior art, either singularly or in combination, fail to anticipate or render the above limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Claims 1-32 being allowable, **Prosecution On The Merits Is Closed** in this application.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

1. Dowling (US 2005/0198199 A1) discloses a federated multiprotocol communication.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Pezzlo whose telephone number is (571) 272-3090. The examiner can normally be reached on Monday to Friday from 8:30 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou, can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-2600.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C.

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or faxed to:

(571) 273-8300

For informal or draft communications, please label "PROPOSED" or "DRAFT"

Hand delivered responses should be brought to:


Jefferson Building

500 Dulany Street

Alexandria, VA.

John Pezzlo

1 December 2005



JOHN PEZZLO
PRIMARY EXAMINER